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# CATHEDRAL BLUFFS SHALE OIL PROJECT

## SOCIOECONOMIC MONITORING REPORT

NUMBER 7  
(QUARTERLY REPORT)  
APRIL, 1980



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Development Associates, Inc.



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## INTRODUCTION

This is the seventh socioeconomic monitoring report issued by the Cathedral Bluffs Shale Oil Company. The purpose of the report is to provide local communities with selected information on the C-B project work force. As this is a first quarter report, it does not include the updated community data which is normally included only in mid-year and year-end monitoring reports.

The work force data presented in this report reflects current conditions as of April 1, 1980. The information on the work force was collected through a questionnaire completed by employees when they started work at the Cathedral Bluffs site. Completed surveys are available from 83 percent of the current work force. The surveys were coded and analyzed through a computerized data base management system.





## I. THE CATHEDRAL BLUFFS WORK FORCE

On April 1, 1980 there were 387 persons employed at the Cathedral Bluffs site. The total work force has increased by 82 employees since the first of the year. About 68 persons, or 18 percent of the employees at the site, are considered permanent, while the other 82 percent hold construction or temporary jobs at the site.

The total work force is expected to increase to about 450 persons by the end of the year. Revised manpower projects were prepared for the project in February 1980. Figure A reflects these revised projects as well as actual work force data.

### A. Housing

#### 1. Location

The residential distribution of project personnel has remained relatively constant as the total project employment has increased. Table 1 shows the percentage of employees residing in local communities for January and April 1980.

The percentage of workers residing in Rifle on week days only has remained at ten percent. Since January, the percentage of workers residing in Meeker on week days only has dropped from seventeen percent to seven percent.

Table II shows the percent of those surveyed who reside in each community full time or on week days only.



# C-B SHALE OIL PROJECT WORK FORCE ESTIMATE

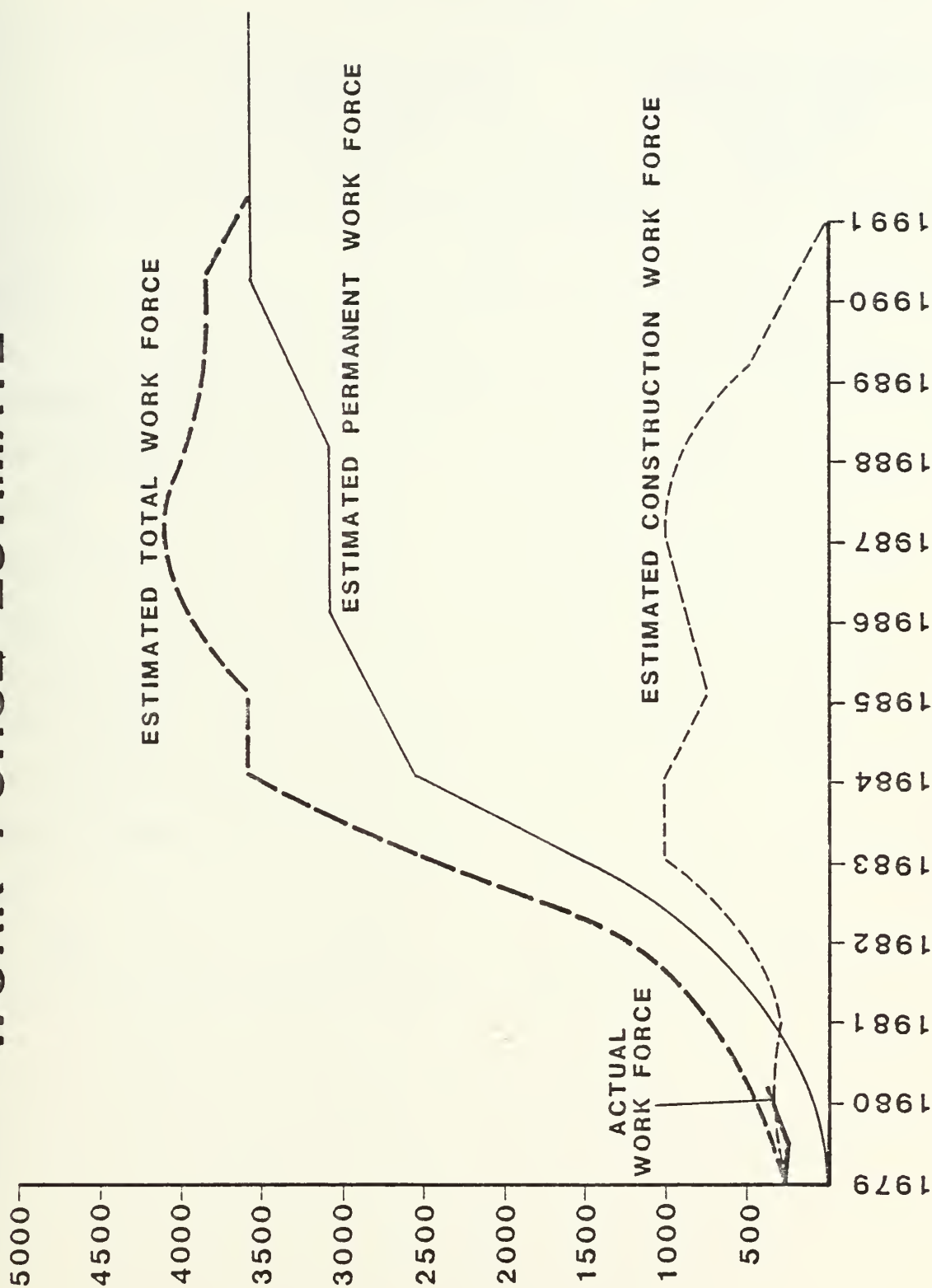


FIGURE A



TABLE I  
PLACE OF RESIDENCE

*City 97*  
*Summit* *Summit*

	Percentage of Workers Surveyed Residing There January 1980 N=256	Percentage of Workers Surveyed Residing There April 1980 N=322
Rifle	63	61
Meeker	11	13
Silt	5	5
Grand Junction Area	9	8
Glenwood Springs	1	2
New Cattle	2	2
Grand Valley	2	3
Rangely	1	0
Other West Slope	1	2
Piceance Creek	1	0
Other Colorado	0	0
Outside Colorado	1	1
Unknown	3	3
Total	100	100



TABLE II  
 PERCENTAGE OF WORKERS RESIDING IN COMMUNITIES  
 FULL TIME OR WEEK DAYS ONLY  
 April 1980

Community	Percent Residing in Community Full Time	Percent Residing in Community Week Days Only	
Rifle	90	10	100%
Meeker	93	7	100%
Silt	100	0	100%
Grand Junction	97	3	100%
Total Work Force	92	8	100%





## 2. Length of Residence

Due to an error in the computer program, the Sixth Monitoring Report presented incorrect figures for length of residence of the work force in local communities. Table III shows the corrected figures for January, as well as the new figures for April 1980.

In Rifle the majority of the project workers are short term residents of the community. Between January and April a significant shift was made in Meeker, from a majority of project residents being short term residents, to the majority having resided in Meeker more than one year. The majority of the employees in other local communities are long term residents.

## 3. Type

There has been no significant change in the percentage of workers living in the various types of housing. The largest percentage of the workers in Rifle and Meeker live in apartments. Table IV lists, by community, the types of housing in which the work force lives.

## 4. Preference

When asked to state what type of residents they preferred living in, the majority of the workers indicated single family housing. Table V shows the housing preferences for those workers who expressed a housing preference.



TABLE III

## LENGTH OF RESIDENCE

January\* and April 1980

Community	Percent of Short** Term Residents January 1980	Percent of Long*** Term Residents January 1980	Percent of Short Term Residents April 1980	Percent of Long Term Residents April 1980
Rifle	56	44	58	42
Meeker	55	45	39	61
Silt	23	77	31	69
Grand Junction Area	29	71	33	66
Grand Valley	14	86	25	75
All Other Communities	20	80	12	88
Total Work Force	48	52	47	53

\* Percentages for January were incorrect in the Monitoring Report Number 6.  
The figures presented here are correct.

\*\* Short term is defined as those residing in their current home less than one year.

\*\*\* Long term is defined as those residing in their current home more than one year.



TABLE IV  
PERCENT OF WORK FORCE RESIDING FULL TIME  
IN VARIOUS TYPES OF HOUSING  
April 1980

Community	Own House	Rent House	Own Mobile Home	Rent Mobile Home	Apartment and Townhouse	RV	Motel	
Rifle	19	15	12	5	38	4	7	100%
Meeker	24	16	0	0	51	3	6	100%
Silt	31	38	13	6	6	0	6	100%
Grand Valley	29	29	29	0	13	0	0	100%
Grand Junction	40	32	12	0	16	0	0	100%
Total Work Force	24	11	18	5	33	3	6	100%

TABLE V  
PERCENTAGE OF WORKERS BY COMMUNITY  
SHOWING HOUSING PREFERENCE  
April 1980

Community	House	Mobile Home	Apartment
Rifle	74	11	15
Meeker	73	4	23
Silt	86	0	14
Grand Valley	100	0	0
Grand Junction	78	17	5
Total Work Force	76	9	15



When the response to the question on housing preference is compared to actual types of housing in which workers live, those who live in single family housing and mobile homes are least likely to desire other types of housing. Most of those living in apartments, motels, recreational vehicles, and townhouses would prefer some other type of housing. Table VI shows this information in more detail.

TABLE VI  
PERCENTAGE OF WORKERS LIVING IN VARIOUS  
HOUSING TYPE AND DESIRING CHANGE  
April 1980

Housing Type	Total Percentage Desiring Changes	Percentage Preferring Apartments	Percentage Preferring Houses	Percentage Preferring Mobile Homes
Apartment	67	*	63	4
House	7	5	*	2
Mobile Home	36	2	34	*
Motel	90	25	65	
RV	74	33	33	8
Townhouse	100	20	80	
Total	91	55	33	3

\*Percentage is not shown here since numbers may indicate no preference, no response, or same type of housing preference.





5. Cost

The median monthly cost for workers who owned their own homes was \$353; in Rifle the median cost was \$415 and \$365 in Meeker. The median cost for those who rented houses was \$200. When compared with the median cost in January, the April figures have not changed much. Table VII shows median cost for various types of housing for April.

TABLE VII  
MEDIAN MONTHLY COST OF HOUSING TO THE C-B WORK FORCE  
April 1980

Type	Median Cost Total Work Force January 1980	Median Cost Total Work Force April 1980	Median Cost Rifle April 1980	Median Cost Meeker April 1980
Own House	375	353	415	365
Rent House	200	200	200	250
Mobile Home	195	180	180	---
Apartment	250	265	265	275
RV	135	65	50	100
Townhouse	---	350	350	---



B. Age, Sex, Marital Status, and Family Size

1. Age

The median age of the work force has remained at 29 years. Median age of workers in Rifle was also 29 and in Meeker it was 27.

TABLE VIII  
MEDIAN AGE BY COMMUNITY  
April 1980

Community	Median Age
Rifle	29
Meeker	27
Silt	31
Grand Junction Area	25
Grand Valley	30
Total Work Force	29

2. Sex

Ninety-two percent of the current work force is male; 8 percent is female.



### 3. Marital Status

Although the percentage of married workers living with their families dropped three percent in April, about half of the work force are married with families present. Table IX shows the percentage of workers by community according to marital status.

TABLE IX  
MARITAL STATUS OF WORK FORCE  
April 1980

Community	Percent Married and Living With Family	Percent Married But Not Living With Family Full-Time	Percent Single	
Rifle	45	22	32	100%
Meeker	49	7	44	100%
Silt	50	6	44	100%
Grand Junction Area	56	4	40	100%
Grand Valley	75	0	25	100%
Total Work Force	48	16	36	100%

### 4. Family Size

The average family size of all married workers is 3.3 persons.

Table X shows average family size of all married workers according to community.



TABLE X  
AVERAGE FAMILY SIZE OF MARRIED WORKERS\* BY COMMUNITY  
April 1980

Community	Average Family Size
Rifle	3.3
Meeker	3.3
Silt	3.4
Grand Junction Area	3.2
Grand Valley	3.7
Total Work Force	3.3

\* These figures include workers who do not have families living with them full time.

When asked if child care facilities were adequate, almost all workers answered yes. Only three workers in Rifle indicated they were not satisfied with child care facilities.

The 144 employees that are new to the communities (having lived there less than a year) brought with them a total of 27 elementary school children, 9 junior high school children, and 8 senior high school children. Table XI indicates the number of children brought into local communities by workers who are short term residents.





TABLE XI  
NUMBER OF SCHOOL AGE CHILDREN LIVING WITH  
NEW\* FAMILIES

April 1980

Community	Preschool	Elementary	Junior	Senior
Rifle	21	19	4	5
Meeker	0	2	1	1
Silt	0	2	1	1
Grand Junction	0	1	0	0
Grand Valley	0	2	2	1
Total Work Force**	21	27	9	8

TABLE XII  
NUMBER OF SCHOOL AGE CHILDREN PLANNING  
TO MOVE TO LOCAL COMMUNITIES

April 1980

Community	Preschool	Elementary	Junior	Senior
Rifle	17	21	3	1
Meeker	1	0	0	0
Silt	0	0	0	0
Grand Junction	0	0	0	0
Grand Valley	0	0	0	0
Total Work Force	18	21	3	1

\* New families are defined as those living in the local area less than one year.

\*\* Total includes children living in communities not mentioned above.



Some workers in Rifle and Meeker indicated they are planning on moving their families into the community in the near future. Workers in Rifle indicated they will move in seventeen preschool children, twenty-one elementary school children, three junior high school children, and one senior high child. Only one worker will be having one preschool child move to Meeker. This data is presented in Table XII.

### C. Recreational Activities

Fishing, hunting, skiing, and camping continue to be the most popular recreational activities of the work force. Table XIII shows the percentage of workers who indicated a preference for the most popular recreation activities.

TABLE XIII  
RECREATIONAL PREFERENCE OF WORKERS SURVEYED  
April 1980

Activity	Percent Responding* of Total Work Force	Percent Responding* in Meeker	Percent Responding* in Rifle
Fishing	40	29	45
Hunting	38	20	43
Skiing	17	15	21
Camping	14	17	15
Swimming	6	7	6
Golf	5	10	4
Tennis	4	7	4
Horseback Riding	3	7	2
All Sports	7	7	10

\* Percentage does not total to 100 due to multiple response.

